



32692

PATENT & TRADEMARK OFFICE

RECEIVED
MAY 08 2003
GROUP 1700

N - GP 1731

Patent

Case No.: 54481US014

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: BRENNAN, JAMES F., III
Application No.: 09/960174 Group Art Unit: 1731
Filed: September 21, 2001 Examiner: Not Yet Known
Title: ACCELERATED METHOD FOR INCREASING THE PHOTSENSITIVITY OF A GLASSY MATERIAL

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, DC 20231

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on:

April 22, 2003

Date

Signed by: Tom Sanders

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449 citing references submitted for consideration by the Examiner. A copy of each cited reference is also enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

Under 37 CFR § 1.97(e)(1), I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement.

A copy of the Search Report from a foreign counterpart application is enclosed.

It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3723.

Respectfully submitted,

April 22, 2003

Date

By: Alan Ball

Alan Ball, Reg. No.: 42,286

Telephone No.: (512) 984-5258

Office of Intellectual Property Counsel
3M Innovative Properties Company
Facsimile No.: 651-736-3833

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets if necessary)

APR 28 2003

Page 1 of 1

Application Number

09/960174

Filing Date

September 21, 2001

First Named Inventor

Brennan, James F., III

Art Unit

1731

Examiner Name

Not Yet Known

Attorney Case Number

54481US014

RECEIVED
MAY 08 2003
GROUP 1200**U.S. Patent Documents**

| Exam. Init. * | Cite No. | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|---------------|----------|-----------------------------|--------------------------------|--|---|
| | | Number-Kind Code (if known) | | | |
| | A1 | US- 5,706,375 | 01-06-1998 | Mihailov et al | |
| | A2 | US- 5,930,420 | 07-27-1999 | Atkins et al | |
| | A3 | US- 6,240,224 B1 | 05-29-2001 | Reekie et al | |
| | A4 | US- 6,311,524 B1 | 11-06-2001 | Brennan, III et al | |
| | A5 | US- | | | |
| | A6 | US- | | | |
| | A7 | US- | | | |
| | A8 | US- | | | |
| | A9 | US- | | | |
| | A10 | US- | | | |
| | A11 | US- | | | |

Foreign Patent Documents

| Exam. Init. * | Cite No. | Foreign Patent Document | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | Translation (Check if yes) |
|---------------|----------|-------------------------|----------------------------|--------------------------------|--|---|-------------------------------|
| | | Ctry. Code | Number-KindCode (If known) | | | | |
| | B1 | | | | | | |
| | B2 | | | | | | |
| | B3 | | | | | | |
| | B4 | | | | | | |
| | B5 | | | | | | |
| | B6 | | | | | | |
| | B7 | | | | | | |

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

| Exam Init. * | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published |
|--------------|----------|--|
| | C1 | |
| | C2 | |
| | C3 | |

*Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| | | |
|--|---|--|
| Applicant's or agent's file reference 54481W0017 | FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below. | |
| International application No. PCT/US 02/ 34356 | International filing date (day/month/year) 25/10/2002 | (Earliest) Priority Date (day/month/year) 20/12/2001 |
| Applicant 3M INNOVATIVE PROPERTIES COMPANY | | |

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.



as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.

7 _____



None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/34356

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02B6/38 G02B6/16 C03C25/62

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B C03C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|------------------------|
| X | US 6 146 713 A (CULLEN THOMAS J ET AL) 14 November 2000 (2000-11-14) | 1-4, 7-16, 19-24 |
| Y | the whole document | 5,6,17, 18 |
| X | US 5 930 420 A (ATKINS ROBERT MICHAEL ET AL) 27 July 1999 (1999-07-27) the whole document | 1-4,11, 12,18 |
| Y | US 5 706 375 A (DUCK GARY S ET AL) 6 January 1998 (1998-01-06) column 3, line 51 -column 4, line 65; figure 1 | 5,6 |
| | -/-- | |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

L earlier document but published on or after the international filing date

I document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

G document member of the same patent family

Date of the actual completion of the international search

27 March 2003

Date of mailing of the international search report

10/04/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel: (+31-70) 340-2040, Tx: 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Wolf, S

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/34356

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No |
|----------|---|----------------------|
| Y | US 6 311 524 B1 (BRENNAN III JAMES F ET AL) 6 November 2001 (2001-11-06) cited in the application column 1, line 1 -column 3, line 25; figures 1-6,9-11 column 7, line 46 -column 11, line 67; claims 12-26 | 17,18 |
| A | US 6 240 224 B1 (REEKIE LAURENCE ET AL) 29 May 2001 (2001-05-29) column 3, line 46 -column 5, line 4; figures 1-4 | 1,2,11, 12 |
| A | LEMAIRE P J: "ENHANCED UV PHOTOSENSITIVITY IN FIBERS AND WAVEGUIDES BY HIGH- PRESSURE HYDROGEN LOADING" OPTICAL FIBER COMMUNICATION. SUMMARIES OF PAPERS PRESENTED AT THE CONFERENCE OFC '95. SAN DIEGO, FEB. 26 - MAR. 3, 1995, NEW YORK, IEEE, US, 1995, pages 162-163, XP000669782 ISBN: 0-7803-2654-7 the whole document | 1,11 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 02/34356

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|----------------------------|---------------------|
| US 6146713 | A | 14-11-2000 | AU 3772400 A | 09-10-2000 |
| | | | EP 1163546 A1 | 19-12-2001 |
| | | | WO 0057225 A1 | 28-09-2000 |
| | | | US 6327406 B1 | 04-12-2001 |
| | | | US 6238729 B1 | 29-05-2001 |
| | | | US 6238485 B1 | 29-05-2001 |
| | | | US 2002018623 A1 | 14-02-2002 |
| US 5930420 | A | 27-07-1999 | NONE | |
| US 5706375 | A | 06-01-1998 | CA 2214870 A1 | 10-03-1998 |
| US 6311524 | B1 | 06-11-2001 | AU 3434701 A | 30-01-2002 |
| | | | WO 0206875 A1 | 24-01-2002 |
| US 6240224 | B1 | 29-05-2001 | NONE | |